

FIG. 1
PRIOR ART



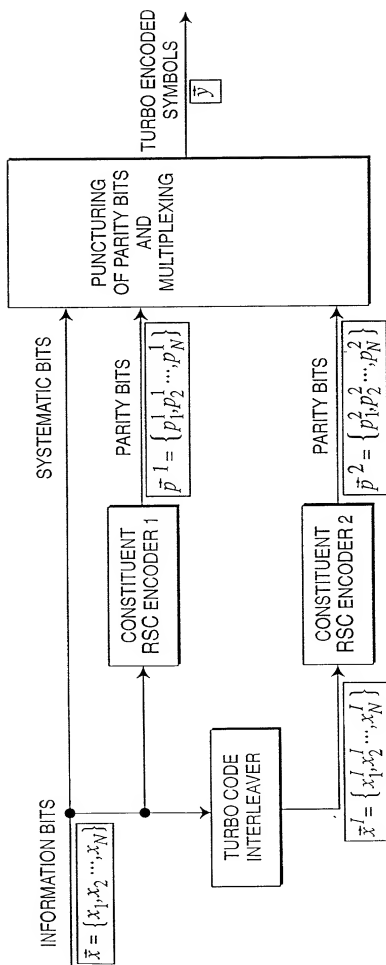


FIG. 2
PRIOR ART

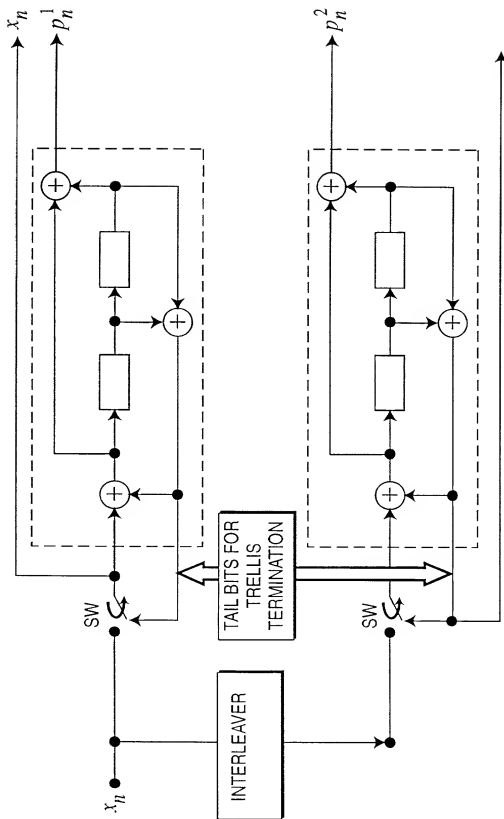
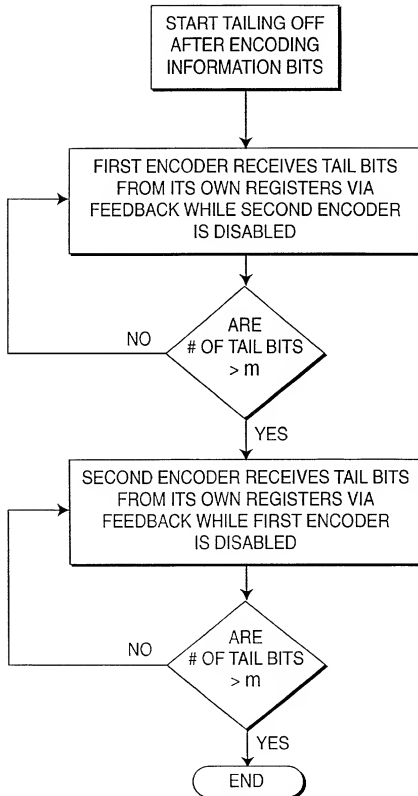


FIG. 3
PRIOR ART



TOTAL # OF TAIL BITS = $2m$

TOTAL # OF TAIL CODED SYMBOLS = $(2)(2m)$

FIG. 4
PRIOR ART

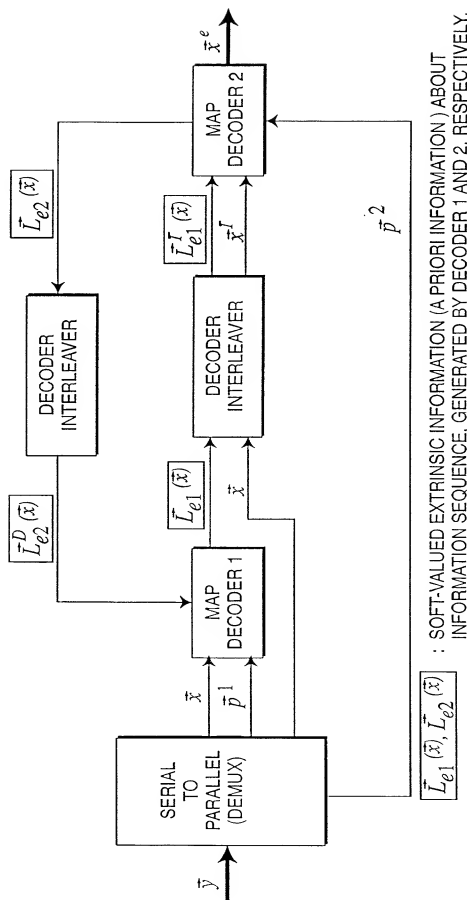


FIG. 5
PRIOR ART

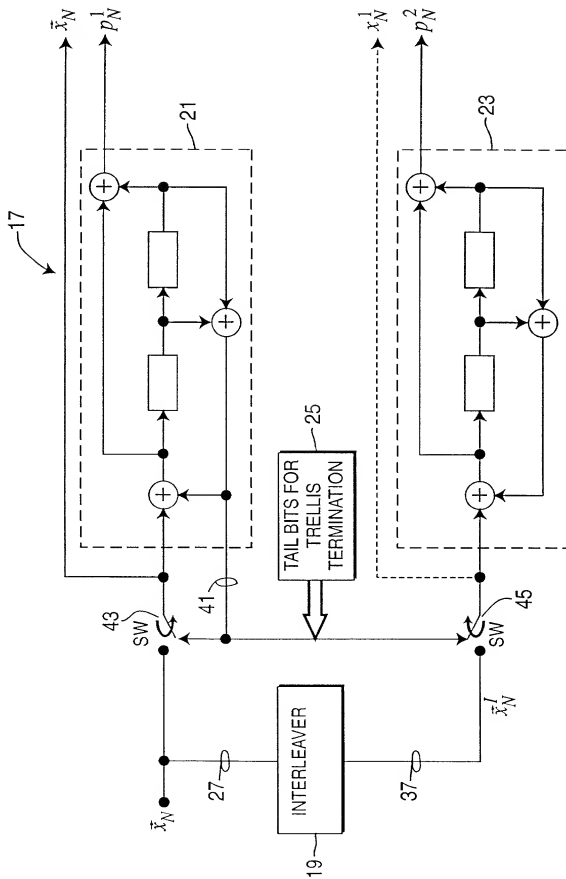


FIG. 6

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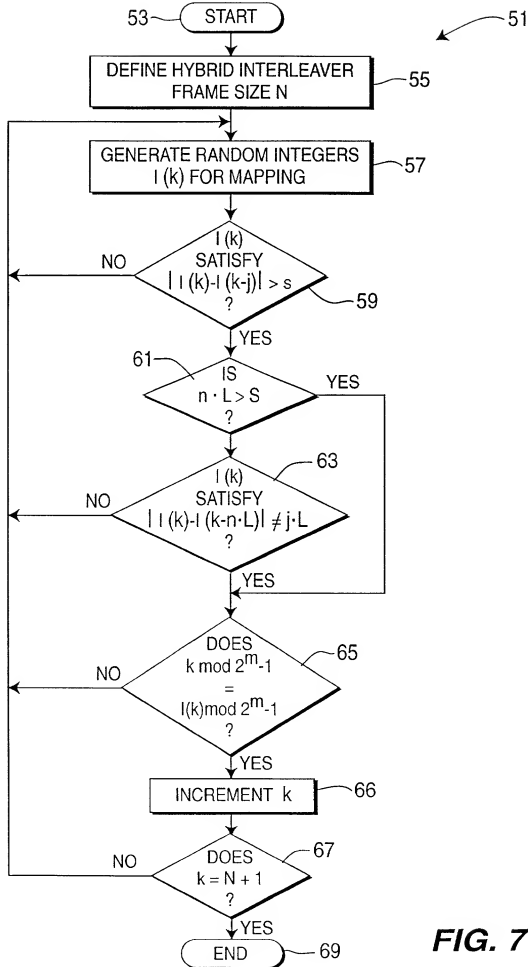
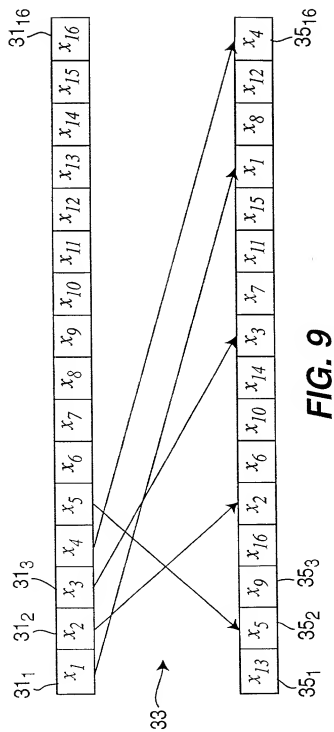
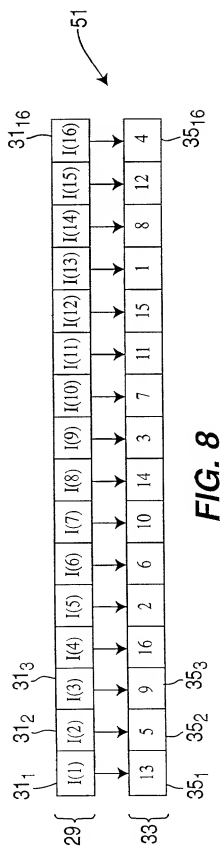


FIG. 7



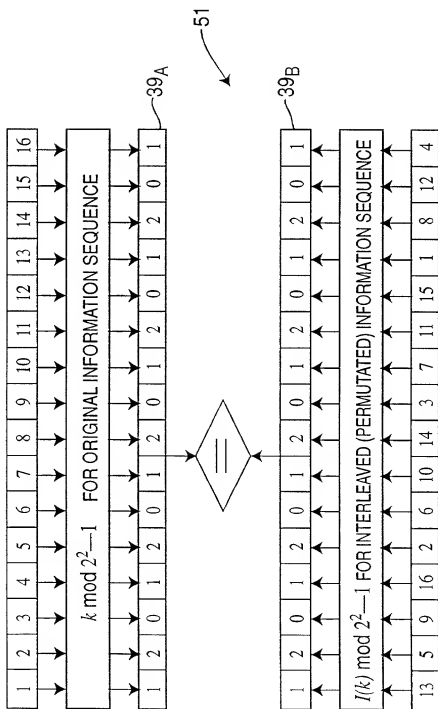
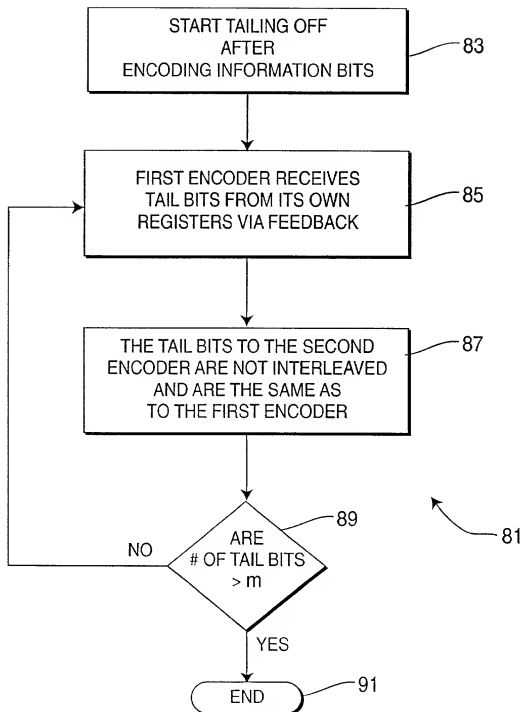
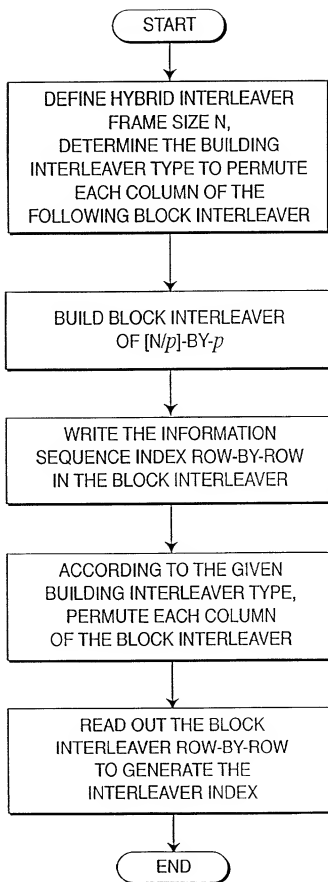


FIG. 10



TOTAL # OF TAIL BITS = m
TOTAL # OF TAIL CODED SYMBOLS = $2m$

FIG. 11



NOTE THAT IN PRINCIPLE THE BUILDING INTERLEAVER CAN BE OF ANY EXISTING INTERLEAVER TYPE LIKE (BLOCK INTERLEAVER, MIL, CDI)

WHERE $[N/p]$ DENOTES THE SMALLEST INTEGER VALUE LARGER THAN OR EQUAL TO N/p , WHERE p IS EQUAL TO 3 AND 7 FOR 4-STATE AND 8-STATE TURBO-CODES, RESPECTIVELY

NOTE THAT EACH COLUMN. HAS THE DIFFERENT MAPPING PATTERN.

FIG. 12